

ABSTRACT OF THE DISCLOSURE

5 A programmable microcomputer controlled load sensing system
for maximizing the cleaning efficiency of particulate raw
materials such as sand, gravel, rock, ores, etc. in a log washer
by sensing the weight of the aggregate in the log washer tank and
adjusting the angle of inclination of the tank for cleaning
efficiency. The system includes a log washer tank pivoted at its
10 lower end and supported by hydraulic cylinders at its upper end.
A high/low pressure sensor detects changes in the weight of the
load by changes in hydraulic fluid pressure communicated to the
microcomputer, and raises or lowers the upper end of the tank
when the programmed low or high pressure limits are exceeded
15 through solenoid activated hydraulic valves.